Hans Saurer Kugellager AG
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data sheet

general data/description

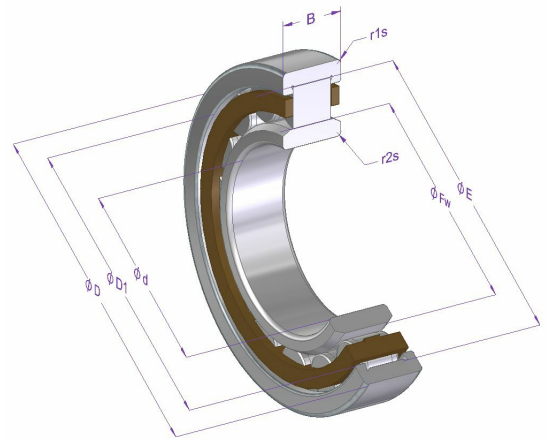
created: 27.02.2019 / 01

article NU 203 E TVP2 HQS C3 **Art-No.** 50176 **brand** SKA **weight/kg** 0.068

description

NU	Design
203	Size
E	Reinforced version
TVP2	Plastic cage
HQS	Material
C3	Internal clearance

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	17	0 / -8	620-2
D	nominal outer diameter	40	0 / -11	620-2
B	width	12	0 / -120	620-2
r1s min.	minimal chamfer dimension	0.6		5412-1
r2s min.	minimal chamfer dimension	0.3		5412-1
Fw	inner enveloping circle diameter	22.1	0 / 10	5412-1
E	raceway diameter outer ring	35.1		5412-1
D1	outer shoulder diameter	32.5		
s	axial displacement	~1.2		
C3	internal clearance	0.035 / 0.06		620-4

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	17800	1800		281	14900	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		16000	19000			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	35	60				

material specification

description	material	DIN/ISO	hardness
Inner ring	100Cr6	683-17	58-65
Outer ring	100Cr6	683-17	58-65
Cylindrical rollers	100Cr6	683-17	58-65
Cage	PA66 + GF25		

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